

CLEAN VERSION OF PENDING CLAIMS

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1. (Twice amended) A tamper-resistant bottle closure adapted to be carried on a container having a stopping ledge, said closure comprising:

a cap;

a breakaway skirt having an outer skirt and a plurality of first inner skirts inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said outer skirt;

C<sup>1</sup> a first wing disposed on each first inner skirt, each first wing adapted to lie adjacent the stopping ledge such that each first wing at least partially surrounds the stopping ledge, and each inner skirt is attached to said outer skirt at a location distal said frangible links; and

a plurality of second inner skirts inwardly disposed to said outer skirt, each second inner skirt having a second wing disposed thereon, each second wing adapted to lie adjacent the stopping ledge such that each second wing at least partially surrounds the stopping ledge, each second inner skirt being attached to said outer skirt at a location proximate said frangible links.

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C<sup>2</sup> 5. (Twice amended) The closure of claim 1, further comprising a securing strap extending between at least each first wing and said outer skirt.

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C<sup>3</sup> 6. (Twice amended) A tamper-resistant bottle closure adapted to be carried on a container having a stopping ledge, said closure comprising:

a cap;

a breakaway skirt having an outer skirt and a plurality of first inner skirts inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said outer skirt;

a first wing disposed on each first inner skirt, each first wing adapted to lie adjacent the stopping ledge such that each first wing at least partially surrounds the stopping ledge, and each first inner skirt is attached to said outer skirt at a location distal said frangible links;

a plurality of second inner skirts inwardly disposed to said outer skirt, each second inner skirt having a second wing disposed thereon, each second wing adapted to lie adjacent the stopping ledge such that each second wing at least partially surrounds the stopping ledge, each second inner skirt being attached to said outer skirt at a location proximate said frangible links;

a securing strap extending between at least each first wing and said outer skirt; and

an intermediate link having a lower leg, said intermediate link disposed adjacent each wing, said lower leg adapted to be disposed adjacent and spaced from the stopping ledge.

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7. (Twice amended) The closure of claim 6, further comprising an inner protuberance and an outer protuberance formed on each first inner skirt, said inner protuberance adapted to be disposed adjacent the container.

8. (Once amended) The closure of claim 6, further comprising a security ring, said security

ring being attached to said outer skirt and adapted to be disposed adjacent the container.

9. (Twice amended) The closure of claim 8, in which said security ring includes a curved lower surface.

10. (Twice amended) The closure of claim 6, further comprising at least a first securing strap extending between each first inner skirt and said outer skirt.

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11. (Once amended) The closure of claim 6, further comprising at least a first security fin connected to said outer skirt.

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12. (Twice amended) The closure of claim 6, further comprising a blocking protrusion and a clamping protrusion disposed on each first inner skirt.

13. The closure of claim 12, further comprising a connection strap extending between said cap and said breakaway skirt.

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14. (Twice amended) A tamper-resistant bottle closure adapted to be carried on a container having upper and lower stopping ledges, said closure comprising:

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a cap;

a breakaway skirt having an outer skirt and a plurality of lower inner skirts inwardly disposed to said outer skirt, and a plurality of upper inner skirts inwardly disposed to said outer skirt;

each lower inner skirt having a lower wing, each lower wing adapted to extend about the lower stopping ledge;

each upper inner skirt having an upper wing, each upper wing adapted to extend about the upper stopping ledge;

a plurality of frangible links extending between said cap and said outer skirt;

a securing strap extending between each lower wing and said outer skirt; and

an inner protuberance and an outer protuberance formed on each lower inner skirt and an inner protuberance and an outer protuberance formed on each upper inner skirt, said inner protuberance of each lower and upper inner skirts adapted to be disposed adjacent the container.

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17. (Twice amended) In combination, a container and a closure; comprising:

said container having a nozzle and at least a first stopping ledge formed on said nozzle;

said closure including a cap and a breakaway skirt;

said breakaway skirt having an outer skirt and a plurality of inner skirts attached and inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said breakaway skirt;

a wing disposed on each inner skirt, each wing being complementally shaped in relation to and lying adjacent said at least first stopping ledge and at least partially surrounding said at least first stopping ledge;

an inner protuberance and an outer protuberance formed on each inner skirt, said inner protuberance projecting inwardly, said outer protuberance projecting outwardly, said

inner and outer protuberances being of such dimension that said inner protuberance physically contacts the container and said outer protuberance physically contacts said outer skirt; and

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Cmcl. a security wall and a security flange, said security flange extending outwardly from said nozzle, said security wall extending peripherally and substantially perpendicularly from said security flange, said breakaway skirt at least partially interposed between said security wall and said nozzle.

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21. The combination of claim 17, wherein said nozzle is formed with a recession, and further comprising a blocking protrusion formed on said at least first inner skirt, said blocking protrusion being received in said recession when said closure is removed from said container.

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22. (Once amended) In combination, a container and a closure; comprising:

said container having a nozzle and at least a first stopping ledge formed on said nozzle, said at least first stopping ledge having a lower edge;

said closure including a cap and a breakaway skirt;

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said breakaway skirt having an outer skirt and a plurality of inner skirts attached and inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said breakaway skirt;

said nozzle having a cylindrical wall having an outer edge defining a boundary from which threads and the stopping ledge extend outwardly; and

said nozzle being formed with a recession which extends inwardly from the outer

edge of the nozzle wall and which communicates with the lower edge of the stopping ledge.

23. (Once amended) The combination of claim 22, wherein each inner skirt is received in said recession when said closure is removed from said container.

24. (Once amended) The combination of claim 23, wherein each inner skirt being received in said recession is a visual, audible or tactile indicator.

25. (Once amended) The combination of claim 24, wherein said visual, audible or tactile indicator indicates the closure is selectively rotatable.

26. (Once amended) The combination of claim 22, further comprising a hinge extending between said cap and breakaway skirt.

27. (Once amended) The combination of claim 23, wherein each inner skirt is a blocking protrusion.

28. (Once amended) The combination of claim 27, wherein said blocking protrusion is a wing.

29. (Once amended) The combination of claim 23, wherein said closure is selectively rotatable on the nozzle when each inner skirt is received in said recession.

30. The combination of claim 29, further comprising a hinge extending between said cap and said breakaway skirt.

31. (Once amended) In combination, a container and a closure; comprising:

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said container having a nozzle and at least a first stopping ledge formed on said nozzle, the at least first stopping ledge having outer and lower edges;

said closure including a cap and a breakaway skirt;

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said breakaway skirt having an outer skirt and a plurality of inner skirts attached and inwardly disposed to said outer skirt;

each inner skirt being attached to the outer skirt with a hinge;

whereby upward movement of said breakaway skirt causes each inner skirt to rotate about its hinge and lie adjacent the outer edge and the lower edge of the at least first stopping ledge, thus retaining the breakaway skirt on the nozzle.

32. The combination of claim 31, further comprising a hinge extending between said cap and said breakaway skirt.

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34. (Once amended) The combination of claim 31, wherein said closure is selectively rotatable during retention of said breakaway skirt on the nozzle.

35. (Once amended) The combination of claim 31, wherein said closure is selectively rotatable during retention of said breakaway skirt upon said at least first stopping ledge.

36. (Once amended) The combination of claim 35, wherein each inner skirt is a clamping protrusion.

37. (Once amended) The combination of claim 36, wherein each inner skirt is selectively rotatable.

38. (Once amended) The combination of claim 34, wherein the nozzle includes a recession and each inner skirt is received in said recession when the closure is rotated upon said nozzle.

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40. (Once amended) The combination of claim 38, wherein each inner skirt is a wing.

41. (Once amended) In combination, a container and a closure; comprising:

said container having a nozzle and at least a first stopping ledge formed on said nozzle, the at least first stopping ledge having an outer edge;

said closure including a cap and a breakaway skirt;

said breakaway skirt having an outer skirt and a plurality of inner skirts attached and inwardly disposed to said outer skirt, said outer skirt having an inner surface;

a plurality of frangible links extending between said cap and said breakaway skirt;

and

a plurality of security fins located between the inner skirts, the security fins allowing selective rotation of said closure upon said nozzle.

42. (Once amended) The combination of claim 41, further comprising a security flange, said security flange being an annular protrusion extending outwardly from said nozzle and being located below said stopping ledge with an outer radial dimension greater than the outer radial dimension of said at least first stopping ledge.

43. (Once amended) The combination of claim 41, wherein said security fins are planar members projecting radially inward from the inner surface of the outer skirt.

44. (Once amended) The combination of claim 43, wherein said security fins project radially inward substantially, but not entirely, the distance to the outer edge of said at least

first stopping ledge.

45. (Once amended) The combination of claim 41, wherein said at least first stopping ledge is an annular protrusion extending outwardly from said nozzle, said at least first stopping ledge having a planar lower edge, an arcuate outer edge and an upper edge.

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46. (Once amended) The combination of claim 45, wherein the transition between the upper edge and the outer edge of said at least first stopping ledge is curved to facilitate the installation of said closure onto said nozzle.

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47. (Once amended) The combination of claim 43, wherein said security fins have a lower surface lying adjacent a security flange so as to inhibit tampering of said closure by inserting an object between said security fins and said security flange.

48. (Once amended) The combination of claim 43, wherein said security fins inhibit tampering by inhibiting the insertion of an object between said inner skirts and said inner surface of the breakaway skirt.

49. (Once amended) The combination of claim 48, wherein said security fins inhibit the inward deflection of said outer skirt of the breakaway skirt.

50. The combination of claim 49, further comprising a hinge connecting said cap and said breakaway skirt.

51. (Once amended) A tamper-resistant bottle closure adapted to be carried on a container having a stopping ledge, said closure comprising:

a cap;

a breakaway skirt having an outer skirt and a plurality of inner skirts inwardly disposed to said outer skirt, each inner skirt having an arm with a blocking protrusion and a clamping protrusion extending therefrom, defining a channel therebetween bounded on one side by the arm; and

a plurality of frangible links extending between said cap and said outer skirt.

52. (Once amended) The combination of claim 51, wherein during upward movement of said closure, said stopping ledge is received in said channel, each inner skirt being securely retained on nozzle.

53. (Once amended) The combination of claim 52, wherein said closure is selectively rotatable when said stopping ledge is received in the channel of each inner skirt.

54. (Once amended) The combination of claim 52, wherein during upward movement each inner skirt wraps around said stopping ledge, said stopping ledge being received in each inner skirt.

55. (Once amended) The combination of claim 51, wherein each skirt is a wing.

56. (Once amended) The combination of claim 51, wherein each skirt is attached to said

outer skirt by a hinge.

57. The combination of claim 51, further comprising a hinge extending between said cap and said breakaway skirt.

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58. The combination of claim 51, wherein said channel is a socket.

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59. (Once amended) The combination of claim 51, wherein said stopping ledge being received in each inner skirt provides visual, audible or tactile indication.

60. The combination of claim 59, wherein said visual, audible or tactile indication constitutes selective rotation of said closure upon container.

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61. In combination, a container and a closure; comprising:

said container having a nozzle and at least a first stopping ledge formed on said nozzle;

said closure including a cap and a breakaway skirt;

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said breakaway skirt having an outer skirt and a plurality of inner skirts attached and inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said breakaway skirt;

a wing disposed on each inner skirt, each wing being complementally shaped and lying adjacent said at least first stopping ledge such that each wing at least partially surrounds said at least first stopping ledge; and

an inner protuberance and an outer protuberance formed on each inner skirt, said inner protuberance projecting inwardly, said outer protuberance projecting outwardly, said inner and outer protuberances being of such dimension that said inner protuberance physically contacts the container and said outer protuberance physically contacts said outer skirt.

62. In combination, a container and a closure; comprising:

C10 said container having a nozzle and at least a first stopping ledge formed on said nozzle;

said closure including a cap and a breakaway skirt;

Con't said breakaway skirt having an outer skirt and a plurality of inner skirts attached and inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said breakaway skirt;  
and

an inner protuberance and an outer protuberance formed on each inner skirt, said inner protuberance projecting inwardly, said outer protuberance projecting outwardly, said inner and outer protuberances being of such dimension that said inner protuberance physically contacts the container and said outer protuberance physically contacts said outer skirt.

63. The combination of claim 62, further comprising a securing strap extending from the outer protuberance to the outer skirt.

64. A tamper-resistant bottle closure adapted to be carried on a container having a stopping ledge, said closure comprising:

a cap;

a breakaway skirt having an outer skirt and a plurality of inner skirts inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said outer skirt;

each inner skirt being attached to said outer skirt at a location distal said frangible links; and

a wing disposed on each inner skirt, each wing extending upwardly and thereafter inwardly.

65. The closure of claim 64 wherein the upward extension of each wing is substantially parallel to the outer skirt and the inward extension of each wing is substantially perpendicular to the outer skirt.

66. The closure of claim 64 wherein each inner skirt further includes an inner and an outer protuberance; and the upward extension of each wing extends intermediate the inner and outer protuberance.

67. The closure of claim 64 further comprising a securing strap extending between each wing and the outer skirt.

68. The closure of claim 64 wherein each wing is complementally shaped and lies

adjacent the stopping ledge such that each wing at least partially surrounds the stopping ledge.

69. A tamper-resistant bottle closure adapted to be carried on a container having a stopping ledge, said closure comprising:

a cap;

a breakaway skirt having an outer skirt and a plurality of inner skirts inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said outer skirt;

each inner skirt being attached to said outer skirt at a location proximate said frangible links; and

a wing disposed on each inner skirt, each wing extending downwardly and thereafter inwardly.

70. The closure of claim 69 wherein the downward extension of each wing is substantially parallel to the outer skirt and the inward extension of each wing is substantially perpendicular to the outer skirt.

71. The closure of claim 69 wherein each inner skirt further includes an inner and an outer protuberance; and the downward extension of each wing extends intermediate the inner and outer protuberance.

72. The closure of claim 69 wherein the inward extension has a substantially triangular

cross section.

73. The closure of claim 69 wherein each wing is complementally shaped and lies adjacent the stopping ledge such that each wing at least partially surrounds the stopping ledge.

74. In combination, a container and a closure; comprising:

said container having a nozzle and at least a first stopping ledge formed on said

nozzle;

said closure including a cap and a breakaway skirt;

said breakaway skirt having an outer skirt and a plurality of inner skirts attached and

inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said breakaway skirt;

and

a security ring extending inwardly from the outer skirt and adapted to be disposed adjacent the container.

75. The combination of claim 74 wherein the container further comprises a security flange extending outwardly from the nozzle below the stopping ledge; and the security ring has a lower surface which lies closely adjacent the security flange.

76. The combination of claim 75 wherein the lower surface of the security ring is



complementally shaped in relation to the adjacent portion of the security flange.

77. A tamper-resistant bottle closure adapted to be carried on a container having a stopping ledge, said closure comprising:

a cap;

a breakaway skirt having an outer skirt and a plurality of inner skirts inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said outer skirt;

an inner protuberance formed on each inner skirt adapted to be disposed adjacent the container;

each inner skirt having a wing adapted to extend about the stopping ledge; and

an intermediate link having a lower leg, said intermediate link disposed adjacent each wing, said lower leg adapted to be disposed adjacent the stopping ledge.

78. The closure of claim 77 wherein an outer protuberance is formed on each inner skirt and is adapted to be disposed adjacent the outer skirt.

79. The closure of claim 77 wherein a securing strap extends between each wing and said outer skirt.

80. The closure of claim 77 wherein the lower leg is adapted to be spaced from the stopping ledge.

81. A tamper-resistant bottle closure adapted to be carried on a container having upper and lower stopping ledges, said closure comprising:

a cap;

a breakaway skirt having an outer skirt and a plurality of lower inner skirts inwardly disposed to said outer skirt, and a plurality of upper inner skirts inwardly disposed to said outer skirt;

each lower inner skirt having a lower wing, each lower wing adapted to extend about the lower stopping ledge;

each upper inner skirt having an upper wing, each upper wing adapted to extend about the upper stopping ledge; and

a plurality of frangible links extending between said cap and said outer skirt:

82. The closure of claim 81, further comprising a securing strap extending between each lower wing and said outer skirt.

83. The closure of claim 81, further comprising an inner protuberance and an outer protuberance formed on each lower inner skirt and an inner protuberance and an outer protuberance formed on each upper inner skirt, said inner protuberance of each lower and upper inner skirts adapted to be disposed adjacent the container.

84. In combination, a container and a closure; comprising:

said container having a nozzle and at least a first stopping ledge formed on said nozzle;

said closure including a cap and a breakaway skirt;

said breakaway skirt having an outer skirt and a plurality of inner skirts attached and inwardly disposed to said outer skirt;

a plurality of frangible links extending between said cap and said breakaway skirt;  
and

a security wall and a security flange, said security flange extending outwardly from said nozzle, said security wall extending peripherally and substantially perpendicularly from said security flange, said breakaway skirt at least partially interposed between said security wall and said nozzle.

85. The closure of claim 84, further comprising a wing disposed on each inner skirt, each wing being complementally shaped in relation to and lying adjacent said at least first stopping ledge and at least partially surrounding said at least first stopping ledge.

86. The closure of claim 84, further comprising an inner protuberance and an outer protuberance formed on each inner skirt, said inner protuberance projecting inwardly, said outer protuberance projecting outwardly, said inner and outer protuberances being of such dimension that said inner protuberance physically contacts the container and said outer protuberance physically contacts said outer skirt.

87. The combination of claim 31, further comprising a security ring extending inwardly from the outer skirt.

88. The combination of claim 87 wherein a security flange extends outward from the nozzle and the security ring has a lower surface which lies adjacent the security flange when the closure is fully installed on the container.

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